

Laboratory	QTTL Lab Pvt. Ltd., 301-302, Labbaiq Regency, 4/2 Old Palasia, Indore, Madhya Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	31.10.2014
Certificate Number	T-3174	Valid Until	30.10.2016
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. FOOD AND AGRICULTURE PRODUCTS				
1.	Spices and Condiments	Mass	IS 1797:1985 (RA 2009)	200 mg/ltr to 900 gm/ltr
		Extraneous Matter	IS 1797:1985 (RA 2009)	1 % to 6 %
		Total Ash	IS 1797:1985 (RA 2009)	1 % to 20 %
		Water Insoluble Ash	IS 1797:1985 (RA 2009)	1 % to 25 %
		Acid Insoluble Ash	IS 1797:1985 (RA 2009)	0.1 % to 10 %
		Alcohol Soluble Extract	IS 1797:1985 (RA 2009)	1 % to 50 %
		Cold water Soluble Extract	IS 1797:1985 (RA 2009)	1 % to 70 %
		Crude Fiber	IS 1797:1985 (RA 2009)	1 % to 50 %
		Salt	IS 1797:1985 (RA 2009)	1 % to 25 %
		Calcium	IS 1797:1985 (RA 2009)	0.1 % to 100 %
		Moisture Content	IS 1797:1985 (RA 2009) Toluene DIS tillation method	1 % to 25 %
2.	Chilly Powder	Capssaicinoid content	IS15697(Part 1):2006 (RA 2011) Spectrometric Method	0.1 % to 5 %
3.	Turmeric Powder	Colour Value	IS 10925 Annexure B:1984 (RA 2007)	300 % to 700 %
		Curcumin Content	IS 10925 Annexure B:1984 (RA 2007)	0.1 % to 10 %
		Starch	IS 4706 (Part 2);1978 (RA 2005)	5 % to 80 %
		Presence of Chromate	IS 3576 Annexure. (RA 2010)	Qualitative
		Copper	IS 2860:1964 (RA 2001)	0.01 mg/ltr to 10 mg/ltr
		Arsenic	IS 2860:1964 (RA 2001)	0.01 mg/ltr to 5 mg/ltr
		Zinc	IS 2860:1964 (RA 2001)	1 mg/ltr to 35 mg/ltr

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4.	Salt	Moisture	IS 7224:2006 Annexure A (RA 2010)	0.1 % to 10 %
		Water insoluble matter	IS 7224:2006 Annexure C (RA 2010)	0.05 % to 10 %
		Chloride Content as Cl	IS 7224:2006 Annexure D (RA 2010)	50 % to 99 %
		Matter Soluble in water other than NaCl	IS 7224:2006 Annexure E (RA 2010)	0.1 % to 10 %
		Iodine Content	IS 7224:2006 Annexure H (RA 2010)	20 mg/ltr to 50 mg/ltr
		Sulphate as SO ₄	IS 7224:2006 Annexure G (RA 2010)	0.01 % to 10 %
		Calcium	IS 7224:2006 Annexure F (RA 2010)	0.05 % to 10 %
		Magnesium	IS 7224:2006 Annexure F (RA 2010)	0.05 % to 10 %
		Alkalinity	IS 7224:2006 Annexure J (RA 2010)	0.01 % to 5 %
		Iron	IS 7224:2006 Annexure M (RA 2010)	Qualitative
5.	Suji or Rava	Moisture	IS 1010:1968 Appendix B (RA 1981)	1 % to 25 %
		Total Ash	IS 1010:1968 Appendix C (RA 1981)	0.1 % to 5 %
		Acid Insoluble Ash	IS 1010:1968 Appendix D (RA 1981)	0.01 % to 5 %
		Gluten	IS 1010:1968 Appendix E (RA 1981)	5 % to 25 %
		Alcoholic Acidity	IS 1010:1968 Appendix F (RA 1981)	0.01 % to 2 %

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6.	Wheat Atta	Moisture	IS 1155:1968 Appendix A (RA 2010)	1 % to 25 %
		Total Ash	IS 1155:1968 Appendix B (RA 2010)	0.01 % to 5 %
		Acid Insoluble Ash	IS 1155:1968 Appendix C (RA 2010)	0.01 % to 5 %
		Gluten	IS 1155:1968 Appendix D (RA 2010)	5 % to 25 %
		Crude Fiber	IS 1155:1968 Appendix E (RA 2010)	1 % to 10 %
		Alcoholic Acidity	IS 1155:1968 Appendix F (RA 2010)	0.01 % to 1 %
7.	Wheat Flour (Maida)	Moisture	IS 1009:1979 Appendix A (RA 2005)	1 % to 25 %
		Total Ash	IS 1009:1979 Appendix B (RA 2005)	0.1 % to 5 %
		Acid Insoluble Ash	IS 1009:1979 Appendix C (RA 2005)	0.01 % to 5 %
		Gluten	IS 1009:1979 Appendix D (RA 2005)	5 % to 25 %
		Alcoholic Acidity	IS 1009:1979 Appendix E (RA 2005)	0.01 % to 5 %
8	Namkeens , Fried Products, Bakery Product	Moisture	IS 15271:2003 (RA 2006)	1 % to 25 %
		Carbohydrate	IS 1162:1958 (RA 2004)	20 % to 80 %
		Fat	IS 15271:2003 (RA 2006)	5 % to 55 %
		Protein	IS 7219:1973 (RA 2005)	10 % to 70 %
		Crude fibre	IS 10226 Part2:1982	1 % to 25 %
		Calcium	IS 1797:1985 (RA 2009)	5 mg to 100 mg/100 gm

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II. WATER				
1.	Water (Surface & ground water, Drinking Water)	Colour	IS 3025 : 1983 (Part 4) (RA 2006) Platinum Cobalt method	(1 to 500) hazen
		Odour	IS 3025 : 1983 (Part 5) (RA 2006)	Qualitative
		Taste	IS 3025 : 1984 (Part 8) (RA 2006)	Qualitative
		Turbidity	IS 3025 : 1984 (Part 10) (RA 2006) Turbidity Meter	1 NTU to 100 NTU
		pH	IS 3025 :1983 (Part 11) (RA 2006) PH Meter	1 to 13
		Total Dissolved Solids	IS 3025 : 1984 (Part 16) (RA 2006) Gravimetric method	1 mg/ltr to 4000 mg/ltr
		Iron	IS 3025 : 2003 (Part 53) (RA 2009) 1-10 Phenanthaline method	0.01 mg/ltr to 1.0 mg/ltr
		Chloride	IS 3025 : 1988 (Part 32) (RA 2003) Argentometric method	1 mg/ltr to 1000 mg/ltr
		Residual Chlorine	IS 3025 : 1986 (Part 26) (RA 2003) Iodometric method	0.1 mg/ltr to 1 mg/ltr
		Total Alkalinity as HCO ₃	IS 3025 : 1986 (Part 23) (RA 2003) Indicator method	1 mg/ltr to 500 mg/ltr
		Total Hardness (as CaCO ₃)	IS 3025 : 2009 (Part 21) (RA 2006) EDTA Titrimetric method	1 mg/ltr to 2000 mg/ltr
		Calcium	IS 3025 : 1991(Part 40) (RA 2009) EDTA Titrimetric method	1 mg/ltr to 500 mg/ltr
Magnesium	IS 3025 : 1994 (Part 46) (RA 2009) By Calculation method	1 mg/ltr to 500 mg/ltr		

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	Water (Surface & ground water, Drinking Water)	Copper	IS 3025 : 1992 (Part 42) (RA 2009) (Neocuprioine method)	0.01 mg/ltr to 1 mg/ltr
		Manganese	IS 3025 : 2006 (Part 35) (RA 2009) Periodate Colorimetric Method	0.05 mg/ltr to 5 mg/ltr
		Sulphate	IS 3025 : 1986 (Part 24) (RA 2009) (Turbidity method)	10 mg/ltr to 200 mg/ltr

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